

What is claimed is :

1. A liquid crystal display device comprising:

a display unit having a liquid crystal display panel, and a flexible circuit board

5 which is attached to the liquid crystal display panel, for applying driving signals to said liquid crystal display panel for driving the liquid crystal panel;

a back light assembly which provides a light to the display unit;

a mold frame for receiving the liquid crystal display panel and the back light assembly;

10 a chassis, being coupled to said mold frame, for fixing said liquid crystal display panel and said back light assembly to said mold frame; and

a support means for supporting the flexible circuit board towards the mold frame.

2. A liquid crystal display device according to claim 1, wherein a receiving

15 recess for receiving the gate side flexible circuit board is formed in the mold frame.

3. A liquid crystal display device according to claim 2, wherein a recessed

portion of the receiving recess at the upper end of the outer side surface of a side wall

of the mold frame is deeper than a recessed portion of the receiving recess at the lower

20 end thereof.

4. A liquid crystal display device according to claim 2, wherein a portion of

the receiving recess is deeper to receive a protruding portion which is attached to the

flexible circuit board.

5        5.        A liquid crystal display device according to claim 1, wherein the support means is a separating support member closely supporting a bottom surface of the flexible circuit board which is inserted into the receiving recess and is bent towards the outside of a side wall of the mold frame, for locating the flexible circuit board in the receiving recess, the separating support member being separated from the chassis.

10        6.        A liquid crystal display device according to claim 5, wherein engaging recess having a predetermined depth are formed at both ends of the receiving recess and an engaging hole having a predetermined depth is formed in a basic surface of the engaging recess.

15        7.        A liquid crystal display device according to claim 6, wherein the separating support member comprises a fixing body which has an inclined surface, an engaging plate which is formed on both sides of the fixing body and is inserted into the engaging recess, and an engaging boss which is formed in the engaging plate and is inserted into the engaging recess.

20        8.        A liquid crystal display device according to claim 1, wherein the support means is a fixing film in which one end thereof is attached to the inner surface of the chassis and the other end thereof is fixed to the bottom surface of the mold frame, pressing the flexible circuit board towards the inner side of the receiving recess.

9. A liquid crystal display device according to claim 8, further comprising a bonding material or a bonding tape for fixing the bottom surface of the mold frame and the end portion of the fixing film which is opposite to the bottom surface of the mold frame.

10. A liquid crystal display device according to claim 8, wherein a boss is formed on the bottom surface of the mold frame, and a penetrating hole for fixing the fixing film by inserting the boss into the penetrating hole is formed in a portion of the fixing film which corresponds to the boss.

11. A liquid crystal display device according to claim 8, wherein a plurality of flexible circuit boards are attached to one side of the liquid crystal display device, and one side end which is attached to the chassis among a plurality of fixing films which correspond to the number of the flexible circuit boards is protruded as the number of the receiving recess, and the other side end which is attached to the mold frame among the fixing films is integrally connected.

12. A liquid crystal display device according to claim 1, wherein a resilient member which fixes the flexible circuit board is installed between the rear side surface of the flexible circuit board which is received in the receiving recess and the inner side surface of the chassis.

13. A liquid crystal display device according to claim 1, wherein the support means is an integral support member which is fixed to the chassis which is provided at a side wall portion of the chassis which corresponds to the flexible circuit board.

5 14. A liquid crystal display device according to claim 13, wherein the integral support member is comprised of a resilient material.

15. A liquid crystal display device according to claim 13, wherein the integral support member has an L-shape, and the horizontal portion thereof is attached to an inner side wall of the chassis to resiliently support the rear surface of the flexible circuit board.

16. A liquid crystal display device according to claim 13, further comprising a protecting cover in which one end thereof is fixed to a side wall portion of the chassis at a position higher than the integral support portion between the flexible circuit board and the integral support portion, and which is extended to one end of the bottom surface portion of the mold frame, covering the flexible circuit board.

17. A liquid crystal display device according to claim 16, further comprising a protecting cover fixing means for fixing the other end of the protecting cover to the bottom surface portion of the mold frame.

18. A liquid crystal display device according to claim 13, further comprising a

printed circuit board cover for protecting a bottom surface portion to which an integrated circuit board is attached and a bottom surface portion to which the flexible circuit board is attached, the printed circuit board cover being provided on the bottom surface of the mold frame.

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19. A liquid crystal display device according to claim 13, wherein the integral support member is a bending piece which is integrally fixed to the side wall portion of the chassis which corresponds to a portion to which the flexible circuit board is attached and is bent to support the flexible circuit board from the side wall portion of the chassis.

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20. A liquid crystal display device according to claim 19, wherein the bending piece comprises a horizontal portion which is fixed to a central portion of the side wall portion of the chassis and an inclined portion which is provided at the end of the horizontal portion to resiliently make contact with the flexible circuit board and support the flexible circuit board.

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21. A liquid crystal display device according to claim 20, further comprising a support portion for resiliently support the inclined portion, which is formed at the end of the inclined portion and is extended to the bottom surface portion of the mold frame.

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22. A liquid crystal display device according to claim 21, wherein the support portion has a hook shape.

23. A liquid crystal display device according to claim 1, wherein the liquid crystal display device comprises an integrated printed circuit board having a source portion for providing a data driving signal to the liquid crystal display panel through a data line of the liquid crystal display panel and a gate portion for providing a gate driving signal to a gate line of the liquid crystal panel, and the flexible circuit board is a gate side flexible circuit board which is attached to the gate side of the liquid crystal display panel to transfer the gate driving signal from the integrated printed circuit board to the liquid crystal display panel.